### PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	RELEASE BY SECURED PARTY

### **CONVEYING PARTY DATA**

Name	Execution Date
MORGAN STANLEY & CO. LLC	12/13/2012

### RECEIVING PARTY DATA

Name:	FENWAL, INC.
Street Address:	Three Corporate Drive
City:	Lake Zurich
State/Country:	ILLINOIS
Postal Code:	60047

Name:	FENWAL HOLDINGS, INC.	
Street Address:	Three Corporate Drive	
City:	Lake Zurich	
State/Country:	ILLINOIS	
Postal Code:	60047	

### PROPERTY NUMBERS Total: 244

Property Type	Number
Patent Number:	5724988
Patent Number:	6523698
Patent Number:	6189704
Patent Number:	6132413
Patent Number:	6358420
Application Number:	60287027
Application Number:	10475767
Application Number:	60402286
Application Number:	10618353
Patent Number:	5030209

Patent Number:	5181524
Patent Number:	5219333
Patent Number:	5086922
Patent Number:	5092462
Patent Number:	5273161
Patent Number:	5409112
Patent Number:	5714125
Patent Number:	5910289
Patent Number:	6074612
Patent Number:	7153386
Patent Number:	6727101
Patent Number:	6503453
Application Number:	60030212
Patent Number:	5957125
Application Number:	60207709
Patent Number:	6709428
Patent Number:	7024749
Patent Number:	5167657
Patent Number:	5100401
Patent Number:	5026347
Patent Number:	5460625
Patent Number:	5512187
Patent Number:	5314421
Patent Number:	5507525
Patent Number:	5330464
Patent Number:	5372143
Patent Number:	5824216
Patent Number:	5770051
Patent Number:	5565977
Patent Number:	6126618
Patent Number:	6387086
Patent Number:	7044941
Application Number:	10957016
Application Number:	11251283
Application Number:	11250717

	10956296
Patent Number:	6742760
Application Number:	60353930
Application Number:	10501571
Application Number:	60364314
Application Number:	10279251
Application Number:	10974651
Application Number:	60740312
Application Number:	11564085
Application Number:	11376790
Application Number:	11555797
Application Number:	11555868
Patent Number:	4997577
Patent Number:	5507904
Patent Number:	5772880
Patent Number:	5591337
Patent Number:	5647985
Patent Number:	5795483
Patent Number:	5728306
Patent Number:	5885457
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Patent Number:	6997893
Patent Number:	6669905
Application Number:	60252870
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Patent Number:	6601710
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Application Number:	10764630
Patent Number:	6367634
Application Number:	10761850
Patent Number:	6422397
Patent Number:	6745902
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Application Number:	10742521
Application Number:	11618286

	4911703
Patent Number:	5232437
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Application Number:	60287122
Application Number:	09864888
Application Number:	09864891
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Patent Number:	5759147
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Patent Number:	5494578
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Patent Number:	5076911
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Patent Number:	5656163
Patent Number:	5549834
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Application Number:	11064267
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Patent Number:	7001321
Application Number:	10827951
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Patent Number:	6080322
Patent Number:	6251284

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Application Number:	11052528
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Application Number:	10828440
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Application Number:	11375965
Patent Number:	6875191
Application Number:	11032271
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Patent Number:	6524231
Application Number:	11256550
Patent Number:	6315707
Patent Number:	6759007
Application Number:	10828359
Patent Number:	6723062
Application Number:	60216640
Patent Number:	6994781
Application Number:	11198804
Application Number:	11198805
Patent Number:	7032910
Patent Number:	7011761
Application Number:	11255356
Patent Number:	6878105

	6846161
Patent Number:	7004727
Patent Number:	6849039
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Application Number:	60533820
Application Number:	10827603
Application Number:	60532310
Application Number:	10826420
Patent Number:	7087177
Application Number:	11427402
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Patent Number:	5868695
Patent Number:	5300019
Patent Number:	6695805
Patent Number:	5935092
Patent Number:	5290221
Application Number:	10752352
Patent Number:	5360734
Patent Number:	5597722
Patent Number:	6207107
Patent Number:	5527704
Patent Number:	6800432
Patent Number:	6319662
Patent Number:	5762867
Patent Number:	5908742
Patent Number:	6190855
Patent Number:	6855489
Application Number:	11056347
Patent Number:	5922278
Patent Number:	6190609
Patent Number:	6326197
Patent Number:	6063624
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Patent Number:	6566046

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Patent Number:	6908553
Patent Number:	6099734
Application Number:	10059666
Patent Number:	6364864
Patent Number:	6565802
Patent Number:	6986867
Application Number:	11191134
Patent Number:	7068361
Application Number:	11443599
Application Number:	11443927
Patent Number:	7105093
Patent Number:	7205877
Application Number:	11353397
Application Number:	10269444
Application Number:	10008361
Patent Number:	6936413
Application Number:	11173214
Application Number:	60364289
Application Number:	10290035
Application Number:	10661994
Application Number:	11267391

### **CORRESPONDENCE DATA**

Fax Number:

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 312-701-8944

Email: ptierney@mayerbrown.com, rassmus@mayerbrown.com,

ipdocket@mayerbrown.com

Correspondent Name: Patrick Tierney
Address Line 1: PO Box 2828

Address Line 4: Chicago, ILLINOIS 60690-2828

ATTORNEY DOCKET NUMBER:	12343442
NAME OF SUBMITTER:	Patrick Tierney

This document serves as an Oath/Declaration (37 CFR 1.63).

#### Total Attachments: 26

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### FIRST-LIEN INTELLECTUAL PROPERTY SECURITY RELEASE AGREEMENT

This FIRST-LIEN INTELLECTUAL PROPERTY SECURITY RELEASE AGREEMENT (the "First-Lien IP Security Release"), dated as of December 13, 2012, by MORGAN STANLEY & CO. LLC (formerly known as Morgan Stanley & Co. Incorporated), as collateral agent for the Secured Parties (in such capacity, together with its successors in such capacity, the "Collateral Agent"), in favor of FENWAL, INC. and FENWAL HOLDINGS, INC (collectively, the "Grantors"). All capitalized terms used herein and not otherwise defined shall have the meaning assigned to such terms in the Credit Agreement (as defined below).

WHEREAS, the Grantors entered into that certain First-Lien Security Agreement, dated as of February 28, 2007 (the "First-Lien Security Agreement") among Fenwal Holdings, Inc., a Delaware corporation ("Holdings"), Fenwal, Inc., a Delaware corporation (the "Borrower"), each of the subsidiaries of the Borrower listed on the signature pages hereof (each such subsidiary, individually, a "Subsidiary Grantor" and, collectively, the "Subsidiary Grantors"), and the Collateral Agent;

WHEREAS, under the terms of the First-Lien Security Agreement, the Grantors granted a Security Interest to the Collateral Agent in such Grantor's United States Registered Intellectual Property for recording with the United States Patent and Trademark Office (the "USPTO") and the United States Copyright Office (the "USCO") and other United States Governmental Authorities necessary or advisable to perfect the Security Interest hereunder in such United States Registered Intellectual Property;

WHEREAS, the First-Lien IP Security Agreement was recorded with the Patent Division of the United States Patent and Trademark Office on May 11, 2007, at Reel 019280 and Frame 00211; and with the Trademark Division of the United States Patent and Trademark Office on May 11, 2007, at Reel 003540 and Frame 0700; and

WHEREAS, the Collateral Agent now desires to release its security interest in and to the Grantors' right, title and interest in and to the Collateral identified in this First-Lien IP Security Release.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Collateral Agent agrees as follows:

SECTION 1. <u>Release of Security Interest</u>. The Collateral Agent hereby releases to the Grantors its security interest in all of the Grantors' right, title, and interest in and to the following (the "*Collateral*"):

(i) all patents and patent applications, including, without limitation, the patents and patent applications set forth in Schedule A hereto (collectively, the "Patents");

- (ii) all trademarks and service mark rights, including, without limitation, the trademark and service mark registrations and applications set forth in Schedule B hereto, together with the goodwill symbolized thereby (collectively, the "*Trademarks*");
- (iii) all copyrights, whether registered or unregistered, including, without limitation, the copyright registrations and applications and exclusive copyright licenses set forth in Schedule C hereto (collectively, the "Copyrights");
- (iv) all reissues, divisions, continuations, continuations-in-part, extensions, renewals and reexaminations of any of the foregoing, all rights in the foregoing provided by international treaties or conventions, all rights corresponding thereto throughout the world and all other rights of any kind whatsoever of such Grantor accruing thereunder or pertaining thereto;
- (v) any and all claims for damages and injunctive relief for past, present and future infringement, dilution, misappropriation, violation, misuse or breach with respect to any of the foregoing, with the right, but not the obligation, to sue for and collect, or otherwise recover, such damages.; and
- (vi) any and all proceeds of, collateral for, income, royalties and other payments now or hereafter due and payable with respect to, and supporting obligations relating to, any and all of the Collateral of or arising from any of the foregoing.
- SECTION 2. <u>Recordation</u>. The Collateral Agent authorizes and requests that the Register of Copyrights, the Commissioner for Patents and the Commissioner for Trademarks and any other applicable government officer record this Release.
- SECTION 3. Further Assurances. In each case upon the reasonable request of a Grantor and at such Grantor's expense, the Collateral Agent shall execute and deliver to such Grantor all further releases and other documents or take other actions necessary to effect the releases of the Collateral Agent's security interests in the Collateral in accordance with this First-Lien IP Security Release.

<u>SECTION 4. Governing Law.</u> This First-Lien IP Security Release shall be governed by, and construed in accordance with, the laws of the State of New York.

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IN WITNESS WHEREOF, the Collateral Agent has caused this First-Lien IP Security Release to be duly executed and delivered by its officer thereunto duly authorized as of the date first above written.

MORGAN STANLEY & CO. LLC, as

Collateral Agent

By:

Name: ≤⁻

· An

Title:

Breits

### SCHEDULE A TO THE FIRST-LIEN INTELLECTUAL PROPERTY SECURITY RELEASE AGREEMENT

### **UNITED STATES TRADEMARKS**

See attached "United States Trademarks" Exhibit.

### SCHEDULE A TO THE FIRST-LIEN INTELLECTUAL PROPERTY SECURITY RELEASE AGREEMENT

### **UNITED STATES TRADEMARKS**

Trademark	Country	Status	App. Number	Reg. Number
ADSOL	US	Registered	73/327182	1218845
ALYX	US	Registered	76/337082	2772325
AMICUS	US	Registered	74/575241	2142964
AUTOPHERESIS-			1.10.02.11	2142904
C	US	Registered	73/479531	1371147
BLOOD-PACK	US	Registered	8212	641094
CONTINUOUS			- VA.12	041094
FLOW	US	Registered	73/422848	1278944
CS-3000	US	Registered	249948	1157151
FENWAL.	US	Registered	298662	1197286
FENWAL	US	Registered	76/295208	2690111
FLEX-EXCEL*	US	Pending	78/711371	2090111
GLYCEROLYTE	US	Registered	72/378586	932806
HEMATRON	US	Registered	205982	801961
HEMATYPE	US	Registered	75/075246	2080280
INTERSOL	US	Registered	76/077081	2753566
KINDERQ-5	ŲS	Pending	77/048549	2733300
MOBI	US	Registered	76/476114	3,060,634
PEDIQ 5	US	Pending	77/048701	3,000,034
PEDI-STORE 5	US	Pending	77/048709	
PLASMA-GARD	US	Registered	249325	1160839
PLASMA-GARD	US	Registered	118859	1082372
PLASMACELL-C	US	Registered	74/221436	1707969
PLASMALINK	US	Registered	75/334712	2304595
POWERFUL			701001112	2304373
MEDICINE	US	Registered	76/123451	2577614
SPIKESMART The trademark application in	US	Registered	75/377534	2,577,614 2469964

<sup>\*</sup> The trademark application marked with an asterisk is a United States intent-to-use trademark applications filed in the USPTO pursuant to 15 U.S.C. § 1051 Section 1(b), and the security interest should not be recorded against such application unless and until evidence of use of such mark in interstate commerce is accepted by the USPTO pursuant to 15 U.S.C. § 1051 Section 1(c) or Section 1(d).

### SCHEDULE B TO THE FIRST-LIEN INTELLECTUAL PROPERTY SECURITY RELEASE AGREEMENT

### **UNITED STATES PATENTS**

See attached "Owned U.S. Patents" Exhibit.

## PLA EXHIBIT A

### 1. Owned Buyer Patents

InvTitle	Country	AppNumber	PatNumber
INLINE FILTER	US	8/090552	5724988
INLINE FILTER	TUS TUS	9/597653	6523698
INLINE FILTER	US	8/955409	6189704
BREAKABLE CANNULA			Marian Mariana Mariana Mariana Mariana Marian
ASSEMBLIES AND METHOD FOR			
MANIPULATING THEM	US	9/036337	6132413
BLOOD COLLECTION METHOD	<del>,,,,</del>		VIUCTIO
EMPLOYING AN AIR VENTING			
BLOOD SAMPLE TUBE	lus	9/088231	6358420
SEALING APPARATUS AND	ωω 	01000501	UUUUTEU
METHOD	lus	60/287027	
SEALING APPARATUS AND	00	TOUIZOI UZI	
METHOD	US	10/475767	
NEEDLE PROTECTOR	US US	10/475767	
NEEDLE PROTECTOR	US	10/618353	
HOLDER FOR DOUBLE ENDED	US	11/10 10303	
BLOOD COLLECTION		***************************************	
į.	lus	269168	Enghann
RETRACTABLE NEEDLE	US		5030209
NEEDLE GUARD FOR BLOOD		TOPORO	E404E04
COLLECTION	US	765956	5181524
BLOOD COLLECTION TUBE	ls im	nonana	ro40000
HOLDER	US	828309	5219333
DISPOSAL FOR NEEDLE AND	. 100	ra6700	enacono.
SYRINGES	US	536708	5086922
DISPOSAL FOR DISENGAGING		يجروب يتر نجر نجر سي	- ALAKA
AND RECEIVING NEEDLES	US	576378	5092462
NEEDLE DISPOSAL SYSTEM			
COMPRISED OF BLOOD		2000	
COLLECTION HOLDER AND		2200000	
COMPANION BIOHAZARD	1.7%		00 C0 000 70 A 10 A
RECEPTACLE	US	708900	5273161
NEEDLE DISPOSAL SYSTEM		SOCOCI	NAMES OF THE PARTY
COMPRISED OF BLOOD			NAMES OF THE PARTY
COLLECTION HOLDER AND			D.
COMPANION BIOHAZARD	1 200		
RECEPTACLE	<u>US</u>	08/156083	5409112
DEVICE FOR COLLECTING A			
BLOOD SAMPLE FROM A			
PLASTIC SEGMENT TUBE	US	8/612093	5714125
DEVICE FOR COLLECTING A	-		
BLOOD SAMPLE FROM A	- Market		
PLASTIC SEGMENT TUBE	US	8/951440	5910289
DEVICE FOR COLLECTING A			
BLOOD SAMPLE FROM A			
PLASTIC SEGMENT TUBE	US	9/287000	6074612

InvTitle	Country	AppNumber	PatNumber
DEVICE FOR COLLECTING A	10001111	Labbiagiino:	i canaminal
BLOOD SAMPLE FROM A	***************************************		
PLASTIC SEGMENT TUBE	lus	110/116770	7153386
DEVICE FOR COLLECTING A		10/110/70	[ I WWW
BLOOD SAMPLE FROM A			
PLASTIC SEGMENT TUBE	lus	9/521739	6727101
DEVICE FOR COLLECTING A		(a) AT 1 ( AA	371-6-71-5-71
BLOOD SAMPLE FROM A			
PLASTIC SEGMENT TUBE	lus	9/549982	6503453
APPARATUS FOR INDICATING			**************************************
PROPER ORIENTATION FOR			
ORAL AND NASAL INHALERS	lus	60/030212	
APPARATUS FOR INDICATING			
PROPER ORIENTATION FOR		2000	
ORAL AND NASAL INHALERS	lus	8/963880	5957125
IMPROVED NEEDLE DESIGN		200000000000000000000000000000000000000	A. A. A. 1 200 a.
FOR MEDICAL APPLICATIONS	lus	60/207709	vocation
IMPROVED NEEDLE DESIGN			
FOR MEDICAL APPLICATIONS	US	9/866139	6709428
IMPROVED NEEDLE DESIGN		***************************************	
FOR MEDICAL APPLICATIONS	US	10/318650	7024749
PLASTIC COMPOSITION WITH			
ANTI-HEMOLYTIC EFFECT	US	7/837581	5167657
PLASTIC COMPOSITION WITH	***************************************	***************************************	
ANTI-HEMOLYTIC EFFECT	US	7/494045	5100401
PLASTIC COMPOSITION WITH		999	
ANTI-HEMOLYTIC EFFECT	US	7/270006	5026347
CRYOGENIC RESISTANT			######################################
COEXTRUDED TUBING	US	7/560698	5460625
METHODS FOR PROCESSING		000000000000000000000000000000000000000	
RED CELL PRODUCTS FOR		GD-resort	
LONG TERM STORAGE FREE OF		-	
MICROORGANISMS	US	8/299793	5512187
BLOOD LABELS AND THE LIKE	US	7/847165	5314421
BLOOD LABELS AND THE LIKE	US	8/173337	5507525
RELIABLE BREAKABLE			300000000000000000000000000000000000000
CLOSURE MECHANISM	US	7/849267	5330464
BLOOD SAMPLING SYSTEM			V0000000000000000000000000000000000000
	US	7/979567	5372143
BLOOD COLLECTION SYSTEM	US	8/650929	5824216
BLOOD COLLECTION SYSTEM	US	8/684516	5770051
BLOOD CELL SEPARATOR			0000000000
SIGNAL PROCESSING SYSTEM			- · · · · · · · · · · · · · · · · · · ·
AND METHOD	US	8/482363	5565977

InvTitle	Country	AppNumber	PatNumber
APPARATUS FOR OBTAINING		**************************************	000000000000000000000000000000000000000
LIQUID SAMPLES	lus	9/231682	6126618
PRE-DONATION SAMPLING		***************************************	
SYSTEM INCLUDING A		***************************************	
SAMPLING POUCH	lus	9/364628	6387086
SAMPLING TUBE HOLDER FOR		ROSE CONTROL C	
BLOOD SAMPLING SYSTEM	us	10/304299	7044941
SAMPLING TUBE HOLDER FOR	ļ	***	***************************************
BLOOD SAMPLING SYSTEM	lus	10/957016	***************************************
SAMPLING TUBE HOLDER FOR	000000000000000000000000000000000000000		
BLOOD SAMPLING SYSTEM	lus	11/251283	
SAMPLING TUBE HOLDER FOR			
BLOOD SAMPLING SYSTEM	US	11/250717	XXXXX
METHOD AND APPARATUS FOR			
BLOOD SAMPLING	US	10/956296	XII
FLOW CONTROL DEVICE	lus	9/964959	6742760
<b>IRREVERSIBLY CLOSABLE FLOW</b>			G., 1 1 2 2 3 4 4
CONTROL CLAMP	lus	60/353930	
<b>IRREVERSIBLY CLOSABLE FLOW</b>	**************************************		
CONTROL CLAMP	US	10/501571	
HOLDER ASSEMBLY FOR BLOOD			
COLLECTION TUBE	ÜS	60/364314	
HOLDER ASSEMBLY FOR BLOOD			
COLLECTION TUBE	US	10/279251	
BLOOD DONOR NEEDLE	000000000000000000000000000000000000000		***************************************
ASSEMBLY AND COVER	US	10/974651	
FLUID FLOW DIVERSION VALVE	00000000000000000.00		<b>*************************************</b>
AND BLOOD COLLECTION		Millerone	
SYSTEM EMPLOYING SAME	US	60/740312	
FLUID FLOW DIVERSION VALVE	haaannaaaaaannaaaaaaa	6	
AND BLOOD COLLECTION		NAME OF THE OWNER	
SYSTEM EMPLOYING SAME	US	11/564085	
BLOOD COMPONENT	000000000000000000000000000000000000000		
CONTAINER	US	11/376790	
FLOW CONTROLLERS	US	11/555797	000000000000000000000000000000000000000
FLOW CONTROLLERS	US	11/555868	200000000000000000000000000000000000000
SYSTEMS AND METHODS FOR	***************************************	OCCIO COCCO COCOCIO COCCO COCO	***************************************
REMOVING UNDESIRED MATTER			
FROM BLOOD CELLS	US	7/453952	4997577; RE35804
MEDICAL CONTAINER PORT	US	8/313560	5507904
APPARATUS AND METHODS		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
FOR FILTERING LEUKOCYTES			Affirences
FROM BLOOD CELLS	US	8/700239	5772880

Invīitle	Christer.	Apprilicent	. wasser
APPARATUS AND METHODS	Country	AppNumber	PatNumber PatNumber
FOR FILTERING LEUKOCYTES	00000000	vananana	
FROM BLOOD CELLS	lus	8/178383	5504337
F4-WHOLE BLOOD	102	0/1/0303	5591337
LEUKODEPLETION AND	Luo	24400000	70 A B 10 A B
PLATETLET FILTER	US	8/323559	5647985
METHOD OF SEPARATING			
LEUKOCYTES FROM BLOOD			
CELLS USING A			
LEUKODEPLETION FILTER	US	8/810751	5795483
FILTRATION MEDIA FOR			
FILTERING LEUKOCYTES FROM			OCCUPATION OF THE PROPERTY OF
FRESHLY DRAWN BLOOD	<u> US</u>	8/370772	5728306
FILTRATION MEDIA FOR			90
FILTERING LEUKOCYTES FROM			
FRESHLY DRAWN BLOOD	US	8/943455	5885457
CONFINED AIR TUBE AND			2000
METHODS FOR HANDLING AIR IN			
CLOSED BLOOD PROCESSING			
SYSTEM	US	9/082946	6267745
CONFINED AIR TUBE AND			
METHODS FOR HANDLING AIR IN		22000	
CLOSED BLOOD PROCESSING		DANGE	
SYSTEM	US	10/619870	6997893
SYSTEMS AND METHODS FOR			**************************************
COLLECTING PLASMA THAT IS		REFEREN	***************************************
FREE OR VIRTUALLY FREE OF			
CELLULAR BLOOD SPECIES	US	9/540935	6669905
SYSTEMS AND METHODS FOR		, , , , , , , , , , , , , , , , , , , ,	
COLLECTING LEUKOCYTE-			
REDUCED BLOOD			MANAGE PARTY AND THE PARTY AND
COMPONENTS, INCLUDING			***************************************
PLASMA THAT IS FREE OR			***************************************
VIRTUALLY FREE OF CELLULAR			
BLOOD SPECIES	US	60/252870	
SYSTEMS AND METHODS FOR		000000000000000000000000000000000000000	
COLLECTING LEUKOCYTE-			ADD Comments
REDUCED BLOOD			
COMPONENTS, INCLUDING			NAME OF THE PARTY
PLASMA THAT IS FREE OR		-	20000
VIRTUALLY FREE OF CELLULAR		Moderate	
	US	11/449543	
FILTER ASSEMBLY HAVING A		2 C 7 1 10 10 10 10 10 10 10 10 10 10 10 10 1	
FLEXIBLE HOUSING AND			Disconnection
	US	10/055862	6601710
ACCURATION OF THE PARTY OF THE STATE OF THE	*** *** ******************************		10001110

InvTitle	Country	AppNumber	PatNumber
FILTER ASSEMBLY HAVING A	Ocumy	Lyhiaminei	i animinai
FLEXIBLE HOUSING AND			
METHOD OF MAKING SAME	lus	10/084605	6688476
FILTER ASSEMBLY HAVING A	100	110/004000	10000470
FLEXIBLE HOUSING AND			
METHOD OF MAKING SAME	lus	10/764630	
BLOOD COLLECTION SYSTEMS	100	10/704030	
INCLUDING AN INTEGRAL,			
FLEXIBLE FILTER	lus	9/498085	6367634
BLOOD COLLECTION SYSTEMS		0170000	0001004
INCLUDING AN INTEGRAL.		innining.	
FLEXIBLE FILTER	lus	10/761850	
BLOOD COLLECTION SYSTEMS		100,0000	20000 TOO 000000000000000000000000000000
INCLUDING AN INTEGRAL,		Programme and the second secon	
FLEXIBLE FILTER	lus	9/593782	6422397
BLOOD COLLECTION SYSTEMS		V1VVV1 V4.	0°75.600000
INCLUDING AN INTEGRAL.			10000000
FLEXIBLE FILTER	US	10/159442	6745902
		1 47 1 4 4 1 1 94	000000000000000000000000000000000000000
BLOOD COLLECTION SYSTEMS			
INCLUDING A FLEXIBLE FILTER			
WITH A CUSHIONED PERIPHERY			
OBTAIN ASAHI ATTORNEY			
COMMENTS	US	10/275805	
BLOOD FILTER ASSEMBLY		n	
HAVING MULTIPLE FILTRATION			777777
REGIONS	US	10/742521	***************************************
BIOLOGICAL FLUID FILTRATION			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
SYSTEMS AND METHODS	US	11/618286	
MOBILE, SELF-CONTAINED	***************************************		
BLOOD COLLECTION SYSTEM			
AND METHOD	US	7/296850	4911703
MOBILE, SELF-CONTAINED			
BLOOD COLLECTION SYSTEM			2000
AND METHOD	US	7/496739	5232437
OPTIMIZED FILTER AND			
METHOD	US	7/473142	4964976
METHOD AND APPARATUS FOR			
COLLECTION OF PLATELETS	US	8/459529	5614106
DISPOSABLE TUBING SET AND		200000000000000000000000000000000000000	
ORGANIZER FRAME FOR		*	
HOLDING FLEXIBLE TUBING	US	8/779094	5870805

InvTitle	Country	AppNumber	PaiNumber
AUTOMATED BLOOD TRACKING	10001103	7 1777 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 CARTOSRIAGE
SYSTEM AND INTERFACE	lus	60/287122	
SYSTEM AND METHOD FOR	100	OUIZUI IZZ	
COMPILING AND VIEWING			
INFORMATION OF DATA	333		
ACTIONS WITHIN A BLOOD			
COLLECTION	lus-	9/864888	
A SYSTEM AND METHOD FOR	100	3/004000	
TRACKING AND REORDERING			Miles
SOFT GOODS	US	0/06/1004	nananan
BLOOD COMPONENT	100	9/864891	3 3 3 3
CENTRIFUGE HAVING			
COLLAPSIBLE INNER LINER	Lic	noimon	1001000
DISPOSABLE CONTAINER FOR A	<u>US</u>	824182	4934995
CENTRIFUGE	lus	0/479674	E7E0147
DISPOSABLE CONTAINER FOR A	3	8/472671	5759147
CENTRIFUGE	lus	7/744047	E947400
DISPOSABLE CONTAINER FOR A	A	7/744947	<b> </b> 5217426
CENTRIFUGE	lus	01077700	EE74000
CENTRIFUGATION SYSTEMS	UO	8/277706	5571068
HAVING AN INTERFACE		un management and a second and a	
DETECTION SURFACE	US	akaaaa	E404E70
CENTRIFUGATION SYSTEMS	lua	8/199082	5494578
HAVING AN INTERFACE			
DETECTION SURFACE	US	7/514995	5104526
CENTRIFUGATION SYSTEMS	00	1/1014880	0104020
HAVING AN INTERFACE			
DETECTION SURFACE	us	7/677602	5076911
CENTRIFUGAL FLUID	100	11011002	2010211
PROCESSING SYSTEM AND			
METHOD	ÚS	7/598753	5078671
SMALL VOLUME COLLECTION	<i>~</i>		W   W   W   W   W   W   W   W   W   W
CHAMBER	US	7/531175	5224921
CENTRIFUGE WITH SEPARABLE	VV	[[]]VVIIIV	V&LTQL
BOWL AND SPOOL ELEMENTS			No.
PROVIDING ACCESS TO THE			
SEPARATION CHAMBER	US	0/22/407	cenena o
CENTRIFUGE WITH SEPARABLE	V3	8/334197	5525218
BOWL AND SPOOL ELEMENTS			Pillanaan
PROVIDING ACCESS TO THE			
	US	8/147015	5360542
ENHANCED YIELD PLATELET	₩.	WINTUIO	000004Z
COLLECTION SYSTEMS AND			
	us	8/336283	5529691
POPEL 1810/LFO	və ev	0/330203	DOSA0A I

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InvTitle	Country	AppNumber	PatNumber
ENHANCED YIELD PLATELET			000000000000000000000000000000000000000
COLLECTION SYSTEMS AND		nanananan	1000
METHODS	US	7/965088	5370802
ENHANCED YIELD GOLLECTION		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
SYSTEMS AND METHODS FOR			***************************************
OBTAINING CONCENTRATED			
PLATELETS FROM PLATELET-			
RICH PLASMA	US	8/978499	5993370
TIME BASED INTERFACE		**************************************	
DETECTION SYSTEMS FOR			
BLOOD PROCESSING	lus	8/109008	5316667
***************************************	000 000 minus		00000000000000000000000000000000000000
COMPACT ENHANCED YIELD			
<b>BLOOD PROCESSING SYSTEMS</b>	lus	10/337486	6899666
20000000000000000000000000000000000000		10/30/1700	1000000
COMPACT ENHANCED YIELD			
BLOOD PROCESSING SYSTEMS	lus	8/856096	6228017
Programme of Office	<del>                                     </del>	10/00000	0220017
COMPACT ENHANCED YIELD		NADANA PARA	300 300 300
BLOOD PROCESSING SYSTEMS	lus	8/146403	E0E0400
SYSTEMS AND METHODS FOR	100	0/140400	5656163
REDUCING THE NUMBER OF			20101011
i			
LEUKOCYTES IN CELLULAR			
PRODUCTS LIKE PLATELETS			
HARVESTED FOR THERAPEUTIC	}		
PURPOSES	US	8/454010	5549834
SYSTEMS AND METHODS FOR		AMMonor	
ON-LINE COLLECTING AND		0000000	
RESUSPENDING CELLULAR-			3000000
RICH BLOOD PRODUCTS LIKE	-	7,000	
PLATELET CONCENTRATES	US	8/097293	5427695
SYSTEMS AND METHODS FOR			
ON-LINE COLLECTION OF		ANAGORIA	
CELLULAR BLOOD		NATIONAL STATE OF THE STATE OF	
COMPONENTS THAT ASSURE			
DONOR COMFORT	US	8/977305	6071421
SYSTEMS AND METHODS FOR		70 100000000000000000000000000000000000	
ON-LINE COLLECTION OF			
CELLULAR BLOOD		2	Phresses.
COMPONENTS THAT ASSURE			***************************************
DONOR COMFORT	US.	8/975694	6007725
PERISTALTIC PUMP TUBE		The state of the s	25.5.55.1 K-25.
CASSETTE FOR BLOOD		Dename	
PROCESSING SYSTEMS AND		MANAMA	
OTT - 100 - 1 - 1 - 1	US	8/173517	5462416
* % FINAL SDEET TRANS	Mark National Commence of the	TOLLIABLE	12405410

InvTitle	Country	AppNumber	PatNumber
BLOOD PROCESSING SYSTEMS		L 182811 A 2011 (27,2%)	C MERCANES CHARLES
USING A PERISTALTIC PUMP			Parameter
MODULE	US	8/173520	5482440
PERISTALTIC PUMP MODULE		**, 11 *** ** E3 **	- 1 terms 1 1 15.
HAVING JAWS FOR GRIPPING A			
PERISTALTIC PUMP TUBE			
CASSETTE	US	8/172654	5480294
PERISTALTIC PUMP TUBE		***************************************	
CASSETTE WITH ANGLE PUMP			
TUBE PORTS	US	8/173518	5427509
SELF LOADING PERISTALTIC		•	·
PUMP TUBE CASSETTE	US	8/172130	5445506
CENTRIFUGE WITH SLOPED			
ROTATIONAL AXIS AND			
FUNCTIONAL COMPONENTS			
MOUNTED ON COMPLEMENTING		- A-GBBBBB	
SLOPED PANEL	US	8/535762	5547453
STRESS BEARING UMBILICUS			
FOR A COMPACT CENTRIFUGE	US	8/590353	5996634
STRESS BEARING UMBILICUS			
FOR A COMPACT CENTRIFUGE	<u> US</u>	8/172131	5514069
PERISTALTIC PUMP TUBE		PORTOGO	
HOLDER WITH PUMP TUBE		0.00.000	
SHIELD AND COVER	US	8/848020	5868696
PERISTALTIC PUMP AND VALVE	-		
ASSEMBLY FOR FLUID	1.00	01320010	
PROCESSING	US	8/173516	5484239
BLOOD PROCESSING SYSTEM	-	800000	
HAVING SPILL SENSOR WITH		01070044	eraneo-
FAIL-SAFE	US	8/270644	5529567
PERISTALTIC PULSE PUMPING	110	loineanoo	EEDOANE
SYSTEMS AND METHODS INTERACTIVE CONTROL	US	8/269933	5538405
]	0000000	ennonno.	***************************************
SYSTEMS FOR MEDICAL PROCESSING DEVICES	lus		EE04207
BLOOD COLLECTION SYSTEMS	UO .	8/337639	5581687
AND METHODS WHICH DERIVE			
INSTANTANEOUS BLOOD			- Contraction of the Contraction
COMPONENT YIELD			CONTRACTOR
INFORMATION DURING BLOOD			
	US	8/807820	5833866
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InvTitle	Country	AppNumber	PatNumber
BLOOD PROCESSING SYSTEMS			
AND METHODS WHICH MONITOR	₹		
CITRATE RETURN TO THE			
DONOR	US	8/472439	5676841
BLOOD PROCESSING SYSTEMS			3300004-1-3
AND METHODS USING			
APPARENT HEMATOCRIT AS A		2000	
PROCESS CONTROL		00000	
PARAMETER	US	8/960674	6059979
BLOOD PROCESSING SYSTEMS			**************************************
AND METHODS USING		XXI	
APPARENT HEMATOCRIT AS A			
PROCESS CONTROL			
PARAMETER	US	9/793801	6451203
SYSTEMS AND METHODS FOR	10000000000000000000		000000000000000000000000000000000000000
DERIVING RECOMMENDED			2000000
STORAGE PARAMETERS FOR			0000
COLLECTED BLOOD			
COMPONENTS	lus	8/483733	5639382
SYSTEM AND METHOD FOR			
ESTIMATING PLATELET COUNT			
USING A SPLEEN MOBILIZATION			
FUNCTION	US	9/027638	6197202
SYSTEM AND METHOD FOR	***************************************		0000000
ESTIMATING PLATELET COUNT		NO.	
USING A SPLEEN MOBILIZATION			
FUNCTION	US	8/480601	5759413
SYSTEMS AND METHODS FOR			
ON-LINE FINISHING OF			
CELLULAR BLOOD PRODUCTS			
LIKE PLATELETS HARVESTED			X
FOR THERAPEUTIC PURPOSES	US	10/430785	6872307
SYSTEMS AND METHODS FOR		<u></u>	
ON-LINE FINISHING OF			
CELLULAR BLOOD PRODUCTS		Annanae	
LIKE PLATELETS HARVESTED			0
	US	11/064267	Danne
SYSTEMS AND METHODS FOR	000000000000000000000000000000000000000		
ON-LINE FINISHING OF			200000000
CELLULAR BLOOD PRODUCTS		**************************************	0
LIKE PLATELETS HARVESTED		Announce	
	US	9/548190	6361692
Danasananananananananiwwww.www.www.www.www.www.www.www.www.w	-u- 107 MAR-A		

InvTitle	Country	AppNumber	PatNumber
SYSTEMS AND METHODS FOR	<u> </u>		
ON-LINE FINISHING OF			
CELLULAR BLOOD PRODUCTS			PARAMATAN
LIKE PLATELETS HARVESTED			
FOR THERAPEUTIC PURPOSES	US	9/223212	6051147
SYSTEMS AND METHODS FOR		***************************************	M
ON-LINE FINISHING OF			
CELLULAR BLOOD PRODUCTS	-		
LIKE PLATELETS HARVESTED	-		
FOR THERAPEUTIC PURPOSES	US	8/606189	5865785
UMBILICUS GIMBAL WITH			
BEARING RETAINER	US	8/835928	5989177
INTERFACE DETECTOR AND			
CONTROL SYSTEMS AND			
METHODS	US	8/922880	5980757
BLOOD PROCESSING SYSTEMS			
AND METHODS WHICH			
OPTICALLY MONITOR PLASMA			
OPACITY	US	8/896665	5958250
BLOOD PROCESSING SYSTEMS			
AND METHODS WHICH		- Indiana - Indi	
OPTICALLY MONITOR PLASMA		Millerine	
OPACITY	US	9/382893	6183651
BLOOD PROCESSING SYSTEMS			***************************************
AND METHODS WHICH		POOPPET TO THE POOP TO THE POO	200000000
OPTICALLY MONITOR			TATAL PARTY OF THE
INCREMENTAL PLATELET			UNITED THE STATE OF THE STATE O
VOLUMES IN A PLASMA	}		20000000
CONSTITUENT	US	9/419727	6312607
PERISTALTIC PUMP			
CONTROLLER WITH SCALE			
FACTOR THAT VARIES AS A			
STEP FUNCTION OF PUMP INLET			
PRESSURE	US	8/960676	5947692
SYSTEMS AND METHODS FOR			
STORING, RETRIEVING AND			
MANIPULATING DATA IN			
MEDICAL PROCESSING DEVICES	US	9/037356	6256643
SYSTEMS AND METHODS FOR			- Consessed
STORING, RETRIEVING AND			
MANIPULATING DATA IN		m zm monin m s	ATT TO A T
MEDICAL PROCESSING DEVICES	US	9/855901	6542910

<b>InvTitle</b>	Country	AppNumber	PatNumber
APHERESIS SYSTEM WITH			
ANTICOAGULANT FLOW		Annonne .	
CONTROL	US	9/042260	6565806
APHERESIS SYSTEM WITH	***************************************		
ANTICOAGULANT FLOW		***************************************	Marie de la constante de la co
CONTROL	lus	10/372882	6855120
A CARRIER FOR HOLDING A		1 3 1 2 2 3 3 3	
FLEXIBLE FLUID PROCESSING		REEDings	
CONTAINER	us	9/050614	7001321
BLOOD COLLECTION SYSTEMS		06000000000000000000	<b></b>
AND METHODS THAT DERIVE			
<b>ESTIMATED EFFECTS UPON THE</b>			
DONOR'S BLOOD BOLUME AND			
HEMATOCRIT	US	10/827951	
BLOOD COLLECTION SYSTEMS	1		
AND METHODS THAT DERIVE			
ESTIMATED EFFECTS UPON THE			
DONOR'S BLOOD BOLUME AND			
HEMATOCRIT	US	9/789183	6730054
SYSTEMS AND METHODS FOR	-		000000000000000000000000000000000000000
SEPARATING HIGH			
HEMATOCRIT RED BLOOD CELL			The second
CONCENTRATIONS	US	9/072961	6080322
SYSTEMS AND METHODS WHICH		SA PARAMETER SA PA	
OBTAIN A UNIFORM TARGETED		MANAGER	
VOLUME OF CONCENTRATED		SAN CONTRACTOR OF THE CONTRACT	
RED BLOOD CELLS IN DIVERSE		SAN CONTRACTOR OF THE CONTRACT	
DONOR POPULATIONS	US	8/979160	6251284
//////////////////////////////////////			
SYSTEM AND METHODS FOR			
SEPARATING, COLLECTING AND	ı in	0 m0 70 74	050305
STORING RED BLOOD CELLS	US	9/287671	6527957
PRE-DONATION SAMPLING SYSTEM INCLUDING A			
SAMPLING POUCH	He	10/070050	
SELF-CONTAINED.	US	10/279252	
TRANSPORTABLE BLOOD			
PROCESSING DEVICE	US-	9/390489	6325775
PROGRAMMABLE, FLUID	····	arabutud	<u> </u>
PRESSURE ACTUATED BLOOD			
PROCESSING SYSTEMS AND			
	US	9/390268	6949079
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## PLA EXHIBIT A

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InvTitle	Country	AppNumber	PatNumber
PROGRAMMABLE, FLUID			
PRESSURE ACTUATED BLOOD			
PROCESSING SYSTEMS AND			
METHODS	_Us	11/052528	
SYSTEMS AND METHODS FOR		200000000000000000000000000000000000000	00000001
CONTROL OF PUMPS		***	
EMPLOYING ELECTRICAL FIELD			
SENSING	US	10/153165	6984218
FLUID FLOW CASSETTE WITH			**************************************
PRESSURE ACTUATED PUMP		ODD	2000
AND VALVE STATIONS	US	9/389797	6481980
FLUID FLOW CASSETTE WITH	XX XXXXXI dahaanaanaana	00000000000000000000000000000000000000	***************************************
PRESSURE ACTUATED PUMP		200	00000000000000000000000000000000000000
AND VALVE STATIONS	US	10/828440	
FLUID FLOW CASSETTE WITH	-	**************************************	
PRESSURE ACTUATED PUMP			100000000
AND VALVE STATIONS	US	10/287560	6716004
SYSTEM AND METHODS FOR	***************************************	**************************************	
CONTROL OF PUMPS			
EMPLOYING GRAVIMETRIC			
SENSING	us	9/390269	6296450
SYSTEMS AND METHODS FOR		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	······································
CONTROL OF PUMPS			
EMPLOYING ELECTRICAL FIELD			
SENSING	lus	9/390491	6261065
00000000000000000000000000000000000000			
BLOOD PROCESSING SYSTEMS		2000	
AND METHODS WITH SENSORS		2000	
TO DETECT CONTAMINATION		Mirana	
DUE TO PRESENCE OF		nanonare .	
CELLULAR COMPONENTS OR		annonco.	200
DILUTION DUE TO PRESENCE			SCOLAR CONTRACTOR CONT
OF PLASMA	lus	9/390492	6348156
SENSING SYSTEMS AND	***************************************		
METHODS FOR			99999
DIFFERENTIATING BETWEEN			
DIFFERENT CELLULAR BLOOD			
SPECIES DURING			
EXTRACORPOREAL BLOOD			
	US	9/931146	6537445
SYSTEMS AND METHODS FOR	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		00000000000000000000000000000000000000
SENSING RED BLOOD CELL		**************************************	
HEMATOCRIT	US	9/901986	6419822
		Accessoration	***************************************

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InvTitle	Country	AppNumber	PatNumber
BLOOD SEPARATION SYSTEMS			
AND METHODS USING A			
MULTIPLE FUNCTION PUMP	6		
STATION TO PERFORM		Research	
DIFFERENT ON-LINE		The state of the s	
PROCESSING TASKS	US	9/389504	7041076
BLOOD SEPARATION SYSTEMS		000000000000000000000000000000000000000	
AND METHODS USING A		***************************************	
MULTIPLE FUNCTION PUMP			
STATION TO PERFORM			<b>B</b>
DIFFERENT ON-LINE			
PROCESSING TASKS	US	11/375965	
BLOOD PROCESSING SYSTEMS			<del>3</del>
AND METHODS THAT		RRIGiaaa	Proposos
ALTERNATE FLOW OF BLOOD			
COMPONENT AND ADDITIVE		-	
SOLUTION THROUGH AN IN-LINE			GB.
LEUKOFILTER	US	9/976832	6875191
<b>BLOOD PROCESSING SYSTEMS</b>	~~	00000000000000000000000000000000000000	***************************************
AND METHODS THAT			
ALTERNATE FLOW OF BLOOD			MARKET
COMPONENT AND ADDITIVE			manana
SOLUTION THROUGH AN IN-LINE			APPROXIMATION OF THE PROPERTY
LEUKOFILTER	us	11/032271	APPARATE
<b>BLOOD SEPARATION CHAMBER</b>		GCSDCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	***************************************
WITH PREFORMED BLOOD			
FLOW PASSAGES AND			
CENTRALIZED CONNECTION TO			
EXTERNAL TUBING	US	9/389938	6322488
<b>BLOOD SEPARATION CHAMBER</b>			000000000000000000000000000000000000000
WITH PREFORMED BLOOD			
FLOW PASSAGES AND			
CENTRALIZED CONNECTION TO			
EXTERNAL TUBING	US	10/438953	6800054
BLOOD SEPARATION CHAMBER	300000000000000000000000000000000000000	00000000.E	
WITH CONSTRICTED INTERIOR			
CHANNEL AND RECESSED			
PASSAGE	US <sup>.</sup>	10/339473	7166231
BLOOD SEPARATION CHAMBER		······································	D0000000000000000000000000000000000000
WITH CONSTRICTED INTERIOR			
CHANNEL AND RECESSED			Differences
PASSAGE	US	9/389935	6524231

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InvTitle	Country	AppNumber	PatNumber
<b>BLOOD SEPARATION CHAMBER</b>		70000000	
WITH CONSTRICTED INTERIOR			
CHANNEL AND RECESSED			
PASSAGE	US	11/256550	
SYSTEMS AND METHODS FOR			200000000
SEPARATING BLOOD IN A		***************************************	
ROTATING FIELD	US	9/390266	6315707
BLOOD PROCESSING SYSTEMS			0000
AND METHODS EMPLOYING		2000	
FLUID PRESSURE ACTUATED		anna anna anna anna anna anna anna ann	
PUMPS AND VALVES	lus	9/389934	6759007
. Out 6, 4470, 1170, 2 m/2	100	3/303504	0104001
FLUID PRESSURE ACTUATED	***************************************	THE PERSON NAMED IN COLUMN NAM	
BLOOD PUMPING SYSTEMS AND	,]		***************************************
METHODS WITH CONTINUOUS			
INFLOW AND PULSATILE			
OUTFLOW CONDITIONS	US	10/828359	
The internal control of the second of the se			
FLUID PRESSURE ACTUATED			
BLOOD PUMPING SYSTEMS AND		Aberena	
METHODS WITH CONTINUOUS			
INFLOW AND PULSATILE		ė maara v	
OUTFLOW CONDITIONS	US	9/390265	6723062
MEDICAL SYSTEM, METHOD		GR.	
AND APPARATUS EMPLOYING		00/01/01/0	
MEMS	US	60/216640	
MEDICAL SYSTEM, METHOD			
AND APPARATUS EMPLOYING MEMS	luc.	40,004440	0004704
MEDICAL SYSTEM, METHOD	US	10/031112	6994781
AND APPARATUS EMPLOYING			
MEMS	l le	A A EXIGNOOD A	
***************************************	US	11/198804	<del></del>
MEDICAL SYSTEM, METHOD			
AND APPARATUS EMPLOYING MEMS	5 13m	4440000	Bases
ADAPTABLE BLOOD	US	11/198805	000000000000000000000000000000000000000
PROCESSING PLATFORMS	US	10/144662	7032910
RED BLOOD CELL PROCESSING	₩.	I I W FTTUUL	1035210
SYSTEMS AND METHODS WHICH		DOMESTIC	GEOGRAPH CONTRACTOR OF THE CON
CONTROL RED BLOOD CELL			GGD-verve
	US	10/280109	7011761
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InvTitle	Country	AppNumber	PatNumber
RED BLOOD CELL PROCESSING	\$	***************************************	
SYSTEMS AND METHODS WHIC	H	11	MECOnnection of
CONTROL RED BLOOD CELL			nananana.
HEMATOCRIT	US	11/255356	***************************************
OFFO DI AAD AFLI DOAAFARILA		700	
RED BLOOD CELL PROCESSING			X
SYSTEMS AND METHODS WITH			
DELIVERATE UNDER SPILL OF			
RED BLOOD CELLS	US	10/279772	6878105
BLOOD COMPONENT		5000 1000 1000 1000 1000 1000 1000 1000	
PROCESSING SYSTEMS AND	-		
METHODS USING FLUID-			
ACTUATED PUMPING ELEMENTS	3		
THAT ARE INTEGRITY TESTED	1	Parantin	
PRIOR TO THEIR USE	lus	10/280108	6846161
1 ( ) 1 de l' 1 de l' 1 ( de l' 1 de l	100	10/200100	10040101
BLOOD COMPONENT	80000000000000000000000000000000000000		
PROCESSING SYSTEMS AND			X
METHODS USING FLUID-			
<b>ACTUATED PUMPING ELEMENTS</b>	; [		
THAT ARE INTEGRITY TESTED			
PRIOR TO USE	US	10/983014	7004727
<b>BLOOD PROCESSING SYSTEMS</b>			
AND METHODS FOR			
COLLECTING PLASMA FREE OR		lane and a second	
ESSENTIALLY FREE OF		unnanna.	
CELLULAR BLOOD			
COMPONENTS	US	10/279765	6849039
BLOOD PROCESSING SYSTEMS			
AND METHODS WITH UMBILICUS			
DRIVEN BLOOD PROCESSING			
CHAMBERS	US	10/279779	6860846
SEPARATION APPARATUS AND	***************************************		
METHOD	US	60/533820	
SEPARATION APPARATUS AND		***************************************	
METHOD	US	10/827603	
METHOD AND APPARATUS FOR		200000000000000000000000000000000000000	000000000000000000000000000000000000000
COLLECTING AND PROCESSING		-	
CONT	US	60/532310	
METHOD AND APPARATUS FOR			
COLLECTING AND PROCESSING			Cyryyddia
BLOOD	US	10/826420	***************************************

## PLA EXHIBIT A

### 1. Owned Buyer Patents

Inviite	10	**************************************	1. FARINGE THE
	Country	AppNumber	<u>PatNumber</u>
METHODS FOR DETERMINING		**************************************	
FLOW RATES OF BIOLOGICAL		40,000,000	
FLUIDS	US	10/826086	7087177
METHODS FOR DETERMINING		XII	
FLOW RATES OF BIOLOGICAL			
FLUIDS	US	11/427402	
IRRADIATION OF BLOOD			
PRODUCTS	US	7/346202	4952812
RED BLOOD CELL STORAGE			
SOLUTION	US	8/742279	5906915
SYSTEMS AND METHODS FOR			
ERADICATING CONTAMINENTS			- Contract of the Contract of
USING PHOTOACTIVE			02000000
MATERIALS IN FLUIDS LIKE		Channel	5
BLOOD USING DISCRETE		vannanna	
SOURCES OF RADIATION	US	8/174211	5868695
SYSTEMS AND METHODS FOR			
<b>ERADICATING CONTAMINENTS</b>			1
USING PHOTOACTIVE		has no see a s	
MATERIALS IN FLUID LIKE		***************************************	
BLOOD	lus	7/991758	5300019
SYSTEMS AND METHODS FOR	***************************************	200000000000000000000000000000000000000	**************************************
REMOVING FREE AND	į		10000000
ENTRAINED CONTAMINANTS IN			
PLASMA	lus	9/073230	6695805
SYSTEMS AND METHODS FOR		27.0 F 37.0 G/G/	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
REMOVING FREE AND		XUU XUU	
ENTRAINED CONTAMINANTS IN		Oli manage	
PLASMA	US	8/574741	5935092
SYSTEMS FOR ERADICATING		2121-15-4	
CONTAMINENTS USING		170000	Description of the state of the
PHOTOACTIVE MATERIALS IN			
FLUIDS LIKE BLOOD	lus	7/994094	5290221
CONTAINER FOR IRRADIATION		11304034	7230221
OF BLOOD PRODUCTS	US	10/752352	70000000 70000000
METHOD FOR INACTIVATING	<u> </u>	10//02302	
PATHOGENS IN A BODY FLUID	US	8/010469	C200704
METHOD FOR INACTIVATING	100	10/01/04/09	5360734
PATHOGENS IN A BODY FLUID	lus	0/07/207	******
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	100	8/274507	5597722
STEAM STERILIZABLE SYSTEM		***************************************	- Aller - Alle
FOR INACTIVATING VIRAL	Homes	XXXXX	
CONTAMINANTS IN BODY FLUIDS			0.000.4.1
I LVIL/O	<u>us</u>	7/952427	6207107

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InvTitle	Country	AppNumber	PatNumber
APPARATUS AND METHOD FOR			2002000
INACTIVATING VIRAL		nananan	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
CONTAMINANTS IN BODY			
FLUIDS	US	8/434700	5527704
APPARATUS AND METHOD FOR			
INACTIVATING VIRAL			
CONTAMINANTS IN BODY			
FLUIDS	US	9/675511	6800432
METHOD AND APPARATUS FOR			30000000 30000000000000000000000000000
TREATING A BODY FLUID	US	8/168438	6319662
APPARATUS AND METHOD FOR			
INACTIVATING VIRUSES IN			
PLASMA	US	8/299398	5762867
SYNTHETIC MEDIA FOR BLOOD			
COMPONENTS	US	8/692444	5908742
SYSTEMS AND METHODS FOR	-		
REMOVING VIRAL AGENTS		48000	
FROM BLOOD	US	8/742572	6190855
SYSTEMS AND METHODS FOR			
REMOVING VIRAL AGENTS			GB 000 000 000 000 000 000 000 000 000 0
FROM BLOOD	lus	9/688079	6855489
SYSTEMS AND METHODS FOR	<del></del>		WWW.WW.WW.WW.WW.WW.WW.WW.WW.WW.WW.WW.WW
REMOVING VIRAL AGENTS			
FROM BLOOD	lus	11/056347	
METHODS AND APPARATUS	000000000	00000000000000000000000000000000000000	***************************************
FOR INACTIVATING			
CONTAMINANTS IN BIOLOGICAL		NO.	
FLUIDS	us	8/752606	5922278
METHODS AND APPARATUS		***************************************	
FOR INACTIVATING		************	
CONTAMINANTS IN BIOLOGICAL			
FLUID	US	9/081168	6190609
PLATELET SUSPENSIONS AND			
METHODS FOR RESUSPENDING		hannas and a second	100 to 10
PLATELETS	US	9/490191	6326197
PLATELET SUSPENSIONS AND			
METHODS FOR RESUSPENDING			
PLATELETS	us	8/871115	6063624
PLATELET SUSPENSIONS AND		Th. H	
METHODS FOR RESUSPENDING			
PLATELETS	lus	10/029785	6613566
SYNTHETIC MEDIA FOR BLOOD			
COMPONENTS	US	9/732174	6566046
SYNTHETIC MEDIA FOR BLOOD	***************************************		9.000
COMPONENTS	US	9/240067	6251580
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InvTitle	Country	AppNumber	PatNumber
SYNTHETIC MEDIA FOR BLOOD	1	o ricks Amis (P/P)	10
COMPONENTS	lus	10/413110	6866992
COMPOSITE MEMBRANES AND	1	1 201 7 1 20 6 ( 20	
METHODS FOR MAKING SUCH			
MEMBRANES	lus	9/997822	6899834
COMPOSITE MEMBRANES AND	30 47	\$ 443, 46, 30, 4, 50, 80 877	0000,000000000000000000000000000000000
METHODS FOR MAKING SUCH	-		SOURCE CONTRACTOR OF THE CONTR
MEMBRANES	lus	9/111915	6908553
APPARATUS, MEMBRANES AND			
METHODS FOR REMOVING			
ORGANIC COMPOUNDS FROM A			
BIOLOGICAL FLUID	lus	9/111655	6099734
PLASTIC CONTAINERS HAVING			
INNER POUCHES AND METHODS			
FOR MAKING SUCH		ECC CONTRACTOR OF THE CONTRACT	
CONTAINERS	US	10/059666	
PLASTIC CONTAINERS HAVING	<b>†</b>		99999999
INNER POUCHES AND METHODS	-		
FOR MAKING SUCH			
CONTAINERS	lus	9/325436	6364864
APPARATUS, SYSTEMS AND	700000000000		200000000000000000000000000000000000000
METHODS FOR PROCESSING		A1000000	
AND TREATING BIOLOGICAL			
FLUID WITH LIGHT	US	9/325325	6565802
APPARATUS, SYSTEMS AND	**************************************	***************************************	
METHODS FOR PROCESSING			
AND TREATING BIOLOGICAL			
FLUID WITH LIGHT	US	10/207744	6986867
APPARATUS, SYSTEMS AND	***************************************		
METHODS FOR PROCESSING		NATIONAL PROPERTY OF THE PROPE	
AND TREATING BIOLOGICAL		No.	
FLUID WITH LIGHT	US	11/191134	
APPARATUS, SYSTEMS AND			
METHODS FOR PROCESSING			- Control Cont
AND TREATING A BIOLOGICAL			
	US	10/269409	7068361
APPARATUS, SYSTEMS AND			
METHODS FOR PROCESSING		<b>VARIABLES</b>	
AND TREATING A BIOLOGICAL		<b>APPROXIME</b>	
3	US	11/443599	
APPARATUS, SYSTEMS AND			
METHODS FOR PROCESSING			***************************************
AND TREATING A BIOLOGICAL			
FLUID WITH LIGHT	US	11/443927	

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InvTitle	Country	AppNumber	PatNumber
PROCESSING SET AND		······································	
METHODS FOR PROCESSING			
AND TREATING A BIOLOGICAL			
FLUID	US	10/267566	7105093
PROCESSING SET AND		***************************************	300000300000000000000000000000000000000
METHODS FOR PROCESSING		***	
AND TREATING A BIOLOGICAL			
FLUID	US	9/325599	7205877
PROCESSING SET AND			300000000000000000000000000000000000000
METHODS FOR PROCESSING		Bransana	
AND TREATING A BIOLOGICAL		***************************************	
FLUID	US	11/353397	
FLUID PROCESSING SETS AND			District
ORGANIZERS FOR THE SAME	<u> US</u>	10/269444	
MANUAL PROCESSING			
SYSTEMS AND METHODS FOR			
PROVIDING BLOOD			
COMPONENTS CONDITIONED			
FOR PATHOGEN INACTIVATION	US	10/008361	***************************************
METHODS AND SYSTEMS FOR			
PREPARING BLOOD PRODUCTS	<u> US</u>	10/004696	6936413
METHODS AND SYSTEMS FOR		- Transport	
PREPARING BLOOD PRODUCTS	<u> US</u>	11/173214	
COMPOUND REMOVAL DEVICE	US	60/364289	
METHOD AND APPARATUS FOR			
A PATHOGEN INACTIVATION		P0000000	
MANAGEMENT SYSTEM	US	10/290035	
FLOW-THROUGH REMOVAL			000000000000000000000000000000000000000
DEVICE AND SYSTEM USING			
SUCH DEVICE	US	10/661994	- Davidson
FLOW-THROUGH REMOVAL			
DEVICE AND SYSTEM USING			10000000
SUCH DEVICE	US	11/267391	2000

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